WHAT IS CLAIMED IS:

1. A compound of the formula (I):

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$$R_n$$
 NH_2
 N
 R_2
 $X-O-R_1$

(I)

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wherein:

X is -CHR5-, -CHR5-alkyl-, or -CHR5-alkenyl-;

 R_1 is selected from the group consisting of:

$$-R_4$$
— NR_3 — SO_2 — R_6 — $alkyl$;

$$-R_4-NR_3-SO_2-R_6$$
-alkenyl;

 $-R_4-NR_3-SO_2-R_6-aryl;$

-R₄-NR₃-SO₂-R₆-heteroaryl;

- R_4 - NR_3 - SO_2 - R_6 -heterocyclyl;

-R₄-NR₃-SO₂-R₇;

-R₄-NR₃-SO₂-NR₅-R₆-alkyl;

-R₄-NR₃-SO₂-NR₅-R₆-alkenyl;

 $-R_4-NR_3-SO_2-NR_5-R_6-aryl;$

-R₄-NR₃-SO₂-NR₅-R₆-heteroaryl;

-R₄-NR₃-SO₂-NR₅-R₆-heterocyclyl; and

-R₄-NR₃-SO₂-NH₂;

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R₂ is selected from the group consisting of:

-hydrogen;

-alkyl;

-alkenyl;

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-aryl;
                                     -heteroaryl;
                                     -heterocyclyl;
                                     -alkyl-Y-alkyl;
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                                     -alkyl-Y-alkenyl;
                                     -alkyl-Y-aryl; and
                                     - alkyl or alkenyl substituted by one or more substituents selected
                                     from the group consisting of:
                                              -OH;
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                                              -halogen;
                                              -N(R_5)_2;
                                              -CO-N(R_5)_2;
                                              -CO-C<sub>1-10</sub> alkyl;
                                              -CO-O-C<sub>1-10</sub> alkyl;
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                                              -N_3;
                                              -aryl;
                                              -heteroaryl;
                                              -heterocyclyl;
                                              -CO-aryl; and
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                                              -CO-heteroaryl;
                            Y is -O- or -S(O)_{0-2}-;
                            \mathbf{R}_3 is H, \mathbf{C}_{1-10} alkyl, or arylalkyl;
                            each \mathbf{R}_4 is independently alkyl or alkenyl, which may be interrupted by one
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                            or more -O- groups; or R<sub>3</sub> and R<sub>4</sub> can join together to form a ring;
                            each R_5 is independently H, C_{1\text{--}10} alkyl, or C_{2\text{--}10} alkenyl;
                            \mathbf{R}_{6} is a bond, alkyl, or alkenyl, which may be interrupted by one or more
                            -O- groups;
                            R<sub>7</sub> is C<sub>1-10</sub> alkyl; or R<sub>3</sub> and R<sub>7</sub> can join together to form a ring;
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                            n is 0 to 4; and
                            each R present is independently selected from the group consisting of C_{1-10}
                            alkyl, C<sub>1-10</sub> alkoxy, hydroxy, halogen and trifluoromethyl;
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or a pharmaceutically acceptable salt thereof.

2. A compound or salt of claim 1 wherein X is -CH(alkyl)(alkyl)-, wherein the alkyl groups can be the same or different.

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- 3. A compound or salt of claim 1 wherein X is -CH₂-CH₂-.
- 4. A compound or salt of claim 1 wherein X is $-CH(C_2H_5)(CH_2)$ -.
- 10 5. A compound or salt of claim 1 wherein R_2 is H.
 - 6. A compound or salt of claim 1 wherein R_2 is alkyl.
 - 7. A compound or salt of claim 1 wherein R_2 is -alkyl-O-alkyl.

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- 8. A compound or salt of claim 1 wherein R₃ and R₄ join to form a heterocyclic ring.
- 9. A compound or salt of claim 1 wherein R_1 is $-R_4-NR_3-SO_2-R_6$ -aryl.
- 20 10. A compound selected from the group consisting of:

 $N-(2-\{2-[4-amino-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-imidazo[4,5-c]$

yl]ethoxy}ethyl)methanesulfonamide;

- N-(2-{2-[4-amino-2-(2-methoxyethyl)-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy}ethyl)methanesulfonamide;
- N- $(2-\{2-[4-amino-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy\}ethyl)-N-methylmethanesulfonamide;$
 - $N-(2-\{2-[4-amino-2-(2-methoxyethyl)-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy\}ethyl)-N-methylmethanesulfonamide;$
 - 2-butyl-1-{2-[2-(1,1-dioxidoisothiazolidin-2-yl)ethoxy]ethyl}-
- H-imidazo[4,5-c]quinolin-4-amine; and
 - N-[10-(4-amino-2-methyl-1H-imidazo[4,5-c]quinolin-1-yl)-4,7-dioxadecyl]-5-dimethylaminonaphthalene-1-sulfonamide;

11. A compound of the formula (II)

(II)

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wherein:

X is -CHR5-, -CHR5-alkyl-, or -CHR5-alkenyl-;

 R_1 is selected from the group consisting of:

$$-R_4$$
— NR_3 — SO_2 — R_6 — $alkyl;$

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 $-R_4$ -NR₃-SO₂-R₆-alkenyl;

 $-R_4-NR_3-SO_2-R_6-aryl;$

-R₄-NR₃-SO₂-R₆-heteroaryl;

-R₄-NR₃-SO₂-R₆-heterocyclyl;

 $-R_4-NR_3-SO_2-R_7$;

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-R₄-NR₃-SO₂-NR₅-R₆-alkyl;

-R₄-NR₃-SO₂-NR₅-R₆-alkenyl;

-R₄-NR₃-SO₂-NR₅-R₆-aryl;

-R₄-NR₃-SO₂-NR₅-R₆-heteroaryl;

-R₄-NR₃-SO₂-NR₅-R₆-heterocyclyl; and

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-R₄-NR₃-SO₂-NH₂;

 $\mathbf{R_2}$ is selected from the group consisting of:

-hydrogen;

-alkyl;

-alkenyl;

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-aryl;

-heteroaryl;

-heterocyclyl;

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-alkyl-Y-alkyl;
                                  -alkyl-Y-alkenyl;
                                  -alkyl-Y-aryl; and
                                  - alkyl or alkenyl substituted by one or more substituents selected
                                  from the group consisting of:
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                                           -OH;
                                           -halogen;
                                           -N(R_5)_2;
                                           -CO-N(R_5)_2;
                                           -CO-C<sub>1-10</sub> alkyl;
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                                           -CO-O-C<sub>1-10</sub> alkyl;
                                           -N_3;
                                           -aryl;
                                           -heteroaryl;
                                           -heterocyclyl;
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                                           -CO-aryl; and
                                           -CO-heteroaryl;
                          Y is -O- or -S(O)_{0-2}-;
                          R_3 is H, C_{1-10} alkyl, or arylalkyl;
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                          each R<sub>4</sub> is independently alkyl or alkenyl, which may be interrupted by one
                          or more -O- groups; or R<sub>3</sub> and R<sub>4</sub> can join together to form a ring;
                           each R_5 is independently H, C_{1-10} alkyl, or C_{2-10} alkenyl;
                           R<sub>6</sub> is a bond, alkyl, or alkenyl, which may be interrupted by one or more
                           -O- groups;
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                           R_7 is C_{1-10} alkyl; or R_3 and R_7 can join together to form a ring;
                           n is 0 to 4; and
                           each R present is independently selected from the group consisting of C<sub>1-10</sub>
                           alkyl, C<sub>1-10</sub> alkoxy, hydroxy, halogen, and trifluoromethyl;
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                           or a pharmaceutically acceptable salt thereof.
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12. A compound or salt of claim 11 wherein R₂ is H or alkyl.

- 13. A compound or salt of claim 11 wherein R₂ is -alkyl-O-alkyl.
- 14. A pharmaceutical composition comprising a therapeutically effective amount of a compound or salt of claim 1 and a pharmaceutically acceptable carrier.
 - 15. A method of inducing cytokine biosynthesis in an animal comprising administering a therapeutically effective amount of a compound or salt of claim 1 to the animal.
- 10 16. The method of claim 15 wherein the cytokine is IFN- α .
 - 17. A method of treating a viral disease in an animal comprising administering a therapeutically effective amount of a compound or salt of claim 1 to the animal.
- 15 18. A method of treating a neoplastic disease in an animal comprising administering a therapeutically effective amount of a compound or salt of claim 1 to the animal.
 - 19. A compound of the formula (III):

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(III)

wherein

X is -CHR5-, -CHR5-alkyl-, or -CHR5-alkenyl-;

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 \mathbf{R}_1 is selected from the group consisting of:

$$-R_4-NR_3-SO_2-R_6-alkyl;$$

$$-R_4-NR_3-SO_2-R_6-alkenyl;$$

$$-R_4-NR_3-SO_2-R_6-aryl;$$

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-R<sub>4</sub>-NR<sub>3</sub>-SO<sub>2</sub>-R<sub>6</sub>-heteroaryl;
                                               -R<sub>4</sub>-NR<sub>3</sub>-SO<sub>2</sub>-R<sub>6</sub>-heterocyclyl;
                                               -R_4-NR_3-SO_2-R_7;
                                               -R<sub>4</sub>-NR<sub>3</sub>-SO<sub>2</sub>-NR<sub>5</sub>-R<sub>6</sub>-alkyl;
                                               -R<sub>4</sub>-NR<sub>3</sub>-SO<sub>2</sub>-NR<sub>5</sub>-R<sub>6</sub>-alkenyl;
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                                                -R<sub>4</sub>-NR<sub>3</sub>-SO<sub>2</sub>-NR<sub>5</sub>-R<sub>6</sub>-aryl;
                                                -R<sub>4</sub>-NR<sub>3</sub>-SO<sub>2</sub>-NR<sub>5</sub>-R<sub>6</sub>-heteroaryl;
                                                -R<sub>4</sub>-NR<sub>3</sub>-SO<sub>2</sub>-NR<sub>5</sub>-R<sub>6</sub>-heterocyclyl; and
                                                -R_4-NR_3-SO_2-NH_2;
                                    R<sub>2</sub> is selected from the group consisting of:
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                                                -hydrogen;
                                                -alkyl;
                                                -alkenyl;
                                                -aryl;
                                                -heteroaryl;
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                                                -heterocyclyl;
                                                -alkyl-Y-alkyl;
                                                -alkyl-Y-alkenyl;
                                                 -alkyl-Y-aryl; and
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                                                 - alkyl or alkenyl substituted by one or more substituents selected
                                                 from the group consisting of:
                                                             -OH;
                                                             -halogen;
                                                             -N(R_5)_2;
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                                                             -CO-N(R_5)_2;
                                                             -CO-C<sub>1-10</sub> alkyl;
                                                             -CO-O-C<sub>1-10</sub> alkyl;
                                                             -N_3;
                                                             -aryl;
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                                                             -heteroaryl;
                                                             -heterocyclyl;
                                                             -CO-aryl; and
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-CO-heteroaryl;

Y is -O- or - $S(O)_{0-2}$ -;

 R_3 is H, C_{1-10} alkyl, or arylalkyl;

each R_4 is independently alkyl or alkenyl, which may be interrupted by one or more -O- groups; or R_4 and R_3 can join to form a ring;

each R₅ is independently H, C₁₋₁₀ alkyl, or C₂₋₁₀ alkenyl;

 R_6 is a bond, or is alkyl or alkenyl, which may be interrupted by one or more -O- groups;

 \mathbf{R}_7 is C_{1-10} alkyl; or R_3 and R_7 can join together to form a ring;

n is 0 to 4; and

each R present is independently selected from the group consisting of C_{1-10} alkyl, C_{1-10} alkoxy, hydroxy, halogen and trifluoromethyl; or a pharmaceutically acceptable salt thereof.

- 15 20. A pharmaceutical composition comprising a therapeutically effective amount of a compound or salt of claim 11 and a pharmaceutically acceptable carrier.
 - 21. A method of inducing cytokine biosynthesis in an animal comprising administering a therapeutically effective amount of a compound or salt of claim 11 to the animal.
 - 22. The method of claim 21 wherein the cytokine is IFN- α .
 - 23. A method of treating a viral disease in an animal comprising administering a therapeutically effective amount of a compound or salt of claim 11 to the animal.
 - 24. A method of treating a neoplastic disease in an animal comprising administering a therapeutically effective amount of a compound or salt of claim 11 to the animal.

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